

10/526324
PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Takayuki Imanaka et al.
Int'l Application No. : PCT/IB2003/003597
Int'l Filing Date : August 29, 2003
Title : METHOD OF TARGETED GENE DISRUPTION, GENOME OF
HYPERTHERMOSTABLE BACTERIUM AND GENOME CHIP
USING THE SAME

Docket No. : 490051.401USPC
Date : February 28, 2005

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 CFR 1.56 and 1.97 through 1.98, applicants wish to make known to the U.S. Patent and Trademark Office the references set forth on the attached Form PTO-1449. Copies of the cited U.S. patents and published patent applications are not required and accordingly have not been provided. Copies of all other cited references are enclosed. As to any reference cited, applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such reference, as by a showing under 37 CFR 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Applicants believe this Information Disclosure Statement has been timely filed, however, the Director is authorized to charge any fee due by way of this Information Disclosure Statement to our Deposit Account No. 19-1090.

Respectfully submitted,
Seed Intellectual Property Law Group PLLC

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Enclosures:

Postcard
Form PTO-1449
Cited References (7)

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FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
490051.401USPC

APPLICATION NO.
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INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS
Takayuki Imanaka et al.

Int'l FILING DATE
August 29, 2003

GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,807,522	09/15/98	Brown et al.	422	50	
	AB						
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AE					
	AF					
	AG					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AH	Fujiwara, S., et al., "The World of Archaea: Genome Analysis, Evolution and Thermostable Enzymes," <i>Gene</i> 179(1):165-170, November 7, 1996.
	AI	Harborth, J., et al., "Identification of Essential Genes in Cultured Mammalian Cells Using Small Interfering RNAs," <i>J. Cell Sci.</i> 114(Pt 24):4557-4565, December 2001.
	AJ	Hashimoto, Y., et al., "Disruption of Thermus Thermophilus Genes by Homologous Recombination Using a Thermostable Kanamycin-Resistant Marker," <i>FEBS Lett.</i> 506(3):231-234, October 12, 2001.
	AK	Kawashima, T., et al., "Archaeal Adaptation to Higher Temperatures Revealed by Genomic Sequence of Thermoplasma Volcanium," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 97(26):14257-14262, December 19, 2000.
	AL	Nakatani, M., et al., "A DNA Ligase from a Hyperthermophilic Archaeon with Unique Cofactor Specificity," <i>J. Bacteriol.</i> 182(22):6424-6433, November 2000.
	AM	Nishioka, M., et al., "Characterization of Two Intein Homing Endonucleases Encoded in the DNA Polymerase Gene of <i>Pyrococcus Kodakaraensis</i> strain KOD1," <i>Nucleic Acids Res.</i> 26(19):4409-4412, October 1, 1998.
	AN	Takagi, M. et al., "Characterization of DNA Polymerase from <i>Pyrococcus</i> sp. Strain KOD1 and its Application to PCR," <i>Appl. Environ. Microbiol.</i> 63(11):4504-4510, November 1997.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).